

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Sutter Maintenance Yard Wadsworth Canal**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
**SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway			Bank	Unit Miles
Unit No. 01 Wadsworth Canal			Left	4.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/15/2015 - 04/15/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	10		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_ST0010_01_s _ 2013_10						
Action/Comments							
Inspector Comments: The LMA has the O&M manuals.							

No Photos

LM Start		Rating **	A	Issue No.	11	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Emergency Supplies & Equipment				°	
					°	
DWR ID	DWR_ST0010_01_s _ 2013_11					
Action/Comments						
Inspector Comments: The LMA has flood fight supplies and equipment.						

No Photos

LM Start		Rating **	A	Issue No.	12	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_ST0010_01_s _ 2013_12					
Action/Comments						
Inspector Comments: The LMA completed flood fight training in 2014.						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	8
LM End	0.02	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.113670 °	39.113670 °
				-121.768310 °	-121.768310 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45173 DS_ID:17068 EP_NO: 5296 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 5/12/2015 Unable to locate. Need to determine disposition of pipe, contact pipe owner if possible. 5/16/2013 Same as last inspection. 10/29/2013 Same as last inspection. 5/13/2014 Same as last inspection. 11/18/2014 Unable to locate. FIELD_STRUCT_DESC: 3-1/2-inch steel gas line through the levee, 3.0 feet below the crown. Bank rock revetted. (Permit No. 5296 - Atlantic Oil CO. 1966). FS Date: 05/14/2015					

No Photos

LM Start	1.20	Rating **	M	Issue No.	13
LM End	1.20	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127566 °	39.127566 °
				-121.755282 °	-121.755282 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45174 DS_ID:17059 EP_NO: 1605 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Abandoned crossing. Needs to be properly abandoned. No pump on Pier and power lines cut. Apparently abandoned-should be abandoned properly. 5/16/2013 Same as last inspection. 10/29/2013 Same as last inspection. 5/13/2014 Same as last inspection. 11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3.7 feet below the crown. Siphon breaker on the waterward slope. Pump on channel bank on steel structure. (App. 1605 - Schnable) Service pole at the waterward toe. Anchor in waterward slope. (App 1631-Schnable). FS Date: 05/14/2015					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start	1.74	Rating **	M	Issue No.	6
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.133887 °	39.141757 °
				-121.749526 °	-121.742939 °
DWR ID	DWR_ST0010_01_f_2014_6				
Action/Comments					
Inspector Comments: 2011 - Whole bank is starting to unravel, with failure from poor soils. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_2-1_L]					

No Photos

LM Start	1.85	Rating **	M	Issue No.	15
LM End	1.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.135091 °	39.135091 °
				-121.748196 °	-121.748196 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45179 DS_ID:17063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Abandoned crossing. Cap was made and installed on WS open end of pipe. Pipe abandoned. Pipe open and not plugged. Pipe should be removed or abandoned properly. Extensive animal burrowing occurring along pipe alignment. 5/16/2013 Same as last inspection. Steve Beckley is looking into finding pipe owner to properly abandon pipe. 4/29/2013 Same as last inspection. 5/13/2014 Cap was made and bolted on to WS open end of pipe. 1/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 5.7 feet below the crown. Siphon breaker on landward side. Vertical pump on waterward side. Meter pole on berm. Originally in O+M manual, asbuilt available (Permit No. 572, 1932). FS Date: 05/14/2015					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start	1.85	Rating **	U	Issue No.	107
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.135110 °	39.135110 °
				-121.748230 °	-121.748230 °
DWR ID	DWR_ST0010_01_f_2013_107				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Repair the erosion under the abandoned pump.					

Photo 1 of 2 : SP\_2015\_ST0010\_42\_107\_20150310\_00009.jpg



View of the erosion along both sides of the abandoned pump.

LM Start	<b>1.85</b>	Rating **	U	Issue No.	<b>107 (cont)</b>
LM End	<b>1.85</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2015\_ST0010\_42\_107\_20150420\_00010.jpg



View of the erosion along both sides of the abandoned pump.

LM Start	1.85	Rating **	M	Issue No.	106
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.135110 °	39.135110 °
				-121.748229 °	-121.748229 °
DWR ID	DWR_ST0010_01_f_2013_106				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP\_2015\_ST0010\_42\_106\_20150310\_00008.jpg



View of the rodent holes under the irrigation pipe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start	2.00	Rating **	M	Issue No.	19
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.136928 °	39.136928 °
				-121.746728 °	-121.746728 °
DWR ID	DWR_ST0010_01_s _ 2015_19				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP\_2015\_ST0010\_42\_19\_20150420\_00011.jpg



View of the vegetation on both slopes.

LM Start	2.39	Rating **	C	Issue No.	14
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.141697 °	39.141697 °
				-121.742819 °	-121.742819 °
DWR ID	DWR_ST0010_01_s _ 2012_14				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	2.43	Rating **	M	Issue No.	7
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.142235 °	39.153095 °
				-121.742609 °	-121.734390 °
DWR ID	DWR_ST0010_01_f _ 2014_7				
Action/Comments					
Inspector Comments: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_2-4_L]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start	2.61	Rating **	M	Issue No.	18
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.144313 °	39.144313 °
				-121.740758 °	-121.740758 °
DWR ID	DWR_ST0010_01_f_2014_18				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: The erosion is scheduled for repair in 2015.					

Photo 1 of 1 : SP\_2015\_ST0010\_42\_18\_20150310\_00007.jpg



View of the erosion along the waterside toe.

LM Start	2.75	Rating **	M	Issue No.	1
LM End	2.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.146063 °	39.146063 °
				-121.739288 °	-121.739288 °
DWR ID	DWR_ST0010_01_s _ 2012_1				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_42\_1\_20150310\_00001.jpg



View of erosion along W/S toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start	3.22	Rating **	M	Issue No.	16
LM End	3.22	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153043 °	39.153043 °
				-121.734247 °	-121.734247 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45182 DS_ID:23097 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 No noticeable issues with crossing but no permit on file for 5/16/2013 No known permit for work 10/29/2013 Same as last inspection 5/13/2014 Same as last inspection 11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch steel communication line conduit through the levee 2-feet below the crown. Fiber optic line attached to bottom of downstream side of South Butte rd. bridge. Position marked with orange markers. FS Date: 05/14/2015					

No Photos

LM Start	3.52	Rating **	M	Issue No.	20
LM End	3.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.155752 °	39.155752 °
				-121.733115 °	-121.733115 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45183 DS_ID:17066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Concrete headwall on LS is completely silted in. LS pipe end is located near the edge of rice field. No issues seen on W\$16/2013 Same as last inspection10/29/2013 Concrete headwall is silted in and appears to be abandoned. Discharge end of pipe is approx. 100ft. from LS toe on the edge of the rice field5/13/2014 Same as last inspection11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 11.0 feet below the crown. Vertical pump mounted on a steel structure in channel. Service pole on the berm with 18-inch standpipe on WS toe. Concrete U shaped headwall on LS toe. Originally shown in O+M manual, asbuilt available FS Date: 05/14/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start	3.53	Rating **	M	Issue No.	3
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.156225 °	39.156639 °
				-121.732930 °	-121.732755 °
DWR ID	DWR_ST0010_01_s _ 2012_3				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_42\_3\_20150310\_00002.jpg



View of the erosion along the waterside toe of the levee.

LM Start	3.65	Rating **	M	Issue No.	4
LM End	3.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.157861 °	39.157861 °
				-121.732238 °	-121.732238 °
DWR ID	DWR_ST0010_01_s _ 2012_4				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_42\_4\_20150310\_00003.jpg



View of the erosion along the waterside toe of the levee.

LM Start	3.84	Rating **	M	Issue No.	17
LM End	3.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.160442 °	39.160442 °
				-121.731067 °	-121.731067 °
DWR ID	DWR_ST0010_01_f _ 2014_17				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_42\_17\_20150310\_00006.jpg



View of the erosion along the waterside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	04/15/2015 04/15/2015	Bob Duffey

LM Start	4.23	Rating **	M	Issue No.	5
LM End	4.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.165845 °	39.165845 °
				-121.728877 °	-121.728877 °
DWR ID	DWR_ST0010_01_s _ 2012_5				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_42\_5\_20150310\_00004.jpg



View of the erosion along the waterside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2015 Levee Inspection Results**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway			Bank	Unit Miles
Unit No. 02 Wadsworth Canal			Right	4.60
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

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Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	12
LM End	0.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114372 °	39.114372 °
				-121.769263 °	-121.769263 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45186					
DS_ID:17080					
EP_NO: 5296					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 5/12/2015 Unable to locate any signage. Call owner to determine disposition of pipeline					
5/16/2013 Same as last inspection					
10/29/2013 Same as last inspection					
5/13/2014 Same as last inspection					
11/18/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 3-1/2-inch steel gas line through levee, 30-inches below crown. (App. 5296 - Atlantic Oil Co.).					
FS Date: 05/14/2015					

No Photos

LM Start	1.15	Rating **	M	Issue No.	13
LM End	1.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.127487 °	39.127487 °
				-121.756485 °	-121.756485 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45187 DS_ID:17069 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Abandoned crossing. Signs of rodent activity on both sides of levee. Pipe appears improperly abandoned. No motor present, electrical equipment is stripped. Heavy rodent activity along pipe WS and LS. Pipe needs to be removed or properly abandoned. 5/16/2013 Same as last inspection 10/29/2013 Same as last inspection 5/13/2014 Same as last inspection 11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 4.8-feet below the crown. Pump mounted on concrete pad near canal bank. Service pole on berm. 30-inch diameter concrete standpipe at landward toe. Originally in O+M manual, asbuilt available. (Permit No. 945, 1944). FS Date: 05/14/2015					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	1.17	Rating **	M	Issue No.	3
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.127648 °	39.127648 °
				-121.756345 °	-121.756345 °
DWR ID	DWR_ST0010_02_s_2012_3				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : SP\_2015\_ST0010\_43\_3\_20150310\_00001.jpg



View of vehicle erosion along L/S slope.

LM Start	1.71	Rating **	C	Issue No.	15
LM End	1.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.133945 °	39.133945 °
				-121.750250 °	-121.750250 °
DWR ID	DWR_ST0010_02_f_2012_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.73	Rating **	M	Issue No.	8
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.134064 °	39.141814 °
				-121.749781 °	-121.743260 °
DWR ID	DWR_ST0010_02_f_2014_8				
Action/Comments					
Inspector Comments: 2011 - Whole bank is starting to unravel, with failure from poor soils. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_2-1_R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	1.76	Rating **	M	Issue No.	11
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.134490 °	39.134490 °
				-121.749716 °	-121.749716 °
DWR ID	DWR_ST0010_02_f_2012_11				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP\_2015\_ST0010\_43\_11\_20150310\_00006.jpg



View of the rodent holes above the irrigation pipe.

LM Start	1.77	Rating **	M	Issue No.	16
LM End	1.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.134497 °	39.134497 °
				-121.749716 °	-121.749716 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45192 DS_ID:17074 EP_NO: 1096 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Rodent activity near pipe on LS heavy rodent activity on LS slope along pipe alignment 5/16/2013 Same as last inspection 10/29/2013 Same as last inspection 5/13/2014 Air vent on LS shoulder leaks and is causing minor erosion to the LS slope 1/18/2014 Levee inspection is aware of problem and repairs seem to have been made. Slope has also been rocked to prevent erosion. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 4.4-feet below the crown. Pump mounted on a steel structure on the bank. Siphon breaker on the landward slope. unable to locate 48-inch concrete standpipe on the landward berm that was listed in permit. (Permit No. 1096 - Brown and PN: 1479). Asbuilt available. FS Date: 05/14/2015					

No Photos

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	1.77	Rating **	M	Issue No.	17
LM End	1.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.134499 °	39.134499 °
				-121.749712 °	-121.749712 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:45193 DS_ID:17082 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Abandoned crossing that needs to be properly abandoned. Rodent activity near LS pipe. Heavy rodent activity along LS alignment of pipe. No pump on structure and it appears to be abandoned. Should be abandoned properly. 5/16/2013 Same as last inspection. 10/29/2013 Same as last inspection. 5/13/2014 Same as last inspection. 11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee, 4.4-feet below the crown. Pump mounted on a timber structure on the bank. Siphon breaker on the landward slope. Unable to locate 48-inch concrete standpipe on the landward berm that was listed in O+M manual. Asbuilt available. Asbuilt available. Permit No. 1104, 1946. FS Date: 05/14/2015					

LM Start	1.83	Rating **	M	Issue No.	21
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.135355 °	39.135355 °
				-121.748900 °	-121.748900 °
DWR ID	DWR ST0010 02 s 2015 21				

Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP\_2015\_ST0010\_43\_21\_20150420\_00010.jpg



View of the vegetation on both slopes.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	2.41	Rating **	M	Issue No.	9
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.142254 °	39.153150 °
				-121.742847 °	-121.734611 °
DWR ID	DWR_ST0010_02_f_2014_9				
Action/Comments					
Inspector Comments: 2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_2-4_R]					

No Photos

LM Start	3.04	Rating **	U	Issue No.	18
LM End	3.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.149561 °	39.149561 °
				-121.737080 °	-121.737080 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45196 DS_ID:17077 EP_NO: 7209 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Tree growing near WS pipe end is getting too big and will affect the crossing. It needs to be cut back or removed. 5/16/2013 Same as last inspection 10/29/2013 Same as last inspection 5/13/2014 Same as last inspection 11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch CM drainpipe through the levee, 14-feet below the crown. Flap gate on the waterward end. Pipe replaced under permit No. 7209. FS Date: 05/14/2015					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	3.26	Rating **	M	Issue No.	14
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.152903 °	39.152903 °
				-121.734906 °	-121.734906 °
DWR ID	DWR_ST0010_02_s _ 2012_14				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: The erosion is scheduled for repair in 2015					

Photo 1 of 1 : SP\_2015\_ST0010\_43\_14\_20150310\_00007.jpg



View of the erosion along the W/S toe.

LM Start	3.33	Rating **	M	Issue No.	19
LM End	3.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153172 °	39.153172 °
				-121.734741 °	-121.734741 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45197 DS_ID:23098 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Crossing is in good condition but does not have a permit on file for 5/16/2013 No known permit for work 10/29/2013 Same as last inspection 5/13/2014 Same as last inspection 11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 4-inch steel communication line conduit through the levee 2-feet below the crown. Fiber optic line attached to bottom of downstream side of South Butte rd. bridge. Position marked with orange markers. FS Date: 05/14/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	3.35	Rating **	M	Issue No.	20
LM End	3.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153491 °	39.153491 °
				-121.734636 °	-121.734636 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45198 DS_ID:17078 EP_NO: 10473 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Pipe is very rusty at Outlet in LS channel. No noticeable issues with W\$pipe shows signs of heavy rust at outlet in channel. Good candidate for video inspection5/16/2013 Same as last inspection10/29/2013 Same as last inspection5/13/2014 Same as last inspection11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 16-inch steel, irrigation pipe through the levee, 2.7-feet below the crown. Vertical pump in the channel with a service pole on the berm. Discharges into channel at the landward toe of the levee. (App. 5622 & 10473). Originally included in O+M Manual As-built available. FS Date: 05/14/2015					

No Photos

LM Start	3.35	Rating **	U	Issue No.	22
LM End	3.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.153530 °	39.153530 °
				-121.734620 °	-121.734620 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45200 DS_ID:17081 EP_NO: 5622 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Pipe appears to have not yet been repaired. Still looks to be leaking under the LS toe road5/16/2013 Signs of leaks near concrete stand pipe on LS toe-road. Area about 20ft. long is muddy and there has not been any rain for a few week40/29/2013 Same as last inspection5/13/2014 Same as last inspection11/18/2014 Same as last inspection. FIELD_STRUCT_DESC: 15-inch steel irrigation pipe through the levee, 2.7-feet below the crown. Vertical pumps in the channel (likely sleeved through a 22-inch steel pipe). Power pole on the WS slope. Discharges into 36-inch concrete standpipe at the landward toe of the levee. 16-inch CMP riser on LS shoulder. (Permit No. 5622 & 10473). Originally included in O+M Manual As-built available. FS Date: 05/14/2015					

No Photos

<b>* Location</b> LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	3.42	Rating **	M	Issue No.	4
LM End	3.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.155057 °	39.155057 °
				-121.733985 °	-121.733985 °
DWR ID	DWR_ST0010_02_s _ 2012_4				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_43\_4\_20150310\_00002.jpg



View of the erosion at the waterside toe.

LM Start	3.54	Rating **	M	Issue No.	5
LM End	3.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.156753 °	39.162113 °
				-121.733267 °	-121.730997 °
DWR ID	DWR_ST0010_02_s _ 2012_5				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_43\_5\_20150310\_00003.jpg



View of the erosion along the waterside toe.

LM Start	4.41	Rating **	M	Issue No.	10
LM End	4.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.168659 °	39.168937 °
				-121.728016 °	-121.727905 °
DWR ID	DWR_ST0010_02_f _ 2014_10				
Action/Comments					
Inspector Comments: 2011 - Small erosion pocket. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: WAD_4-3_R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2015**

**Sutter Maintenance Yard Wadsworth Canal**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	04/14/2015 04/14/2015	Bob Duffey

LM Start	4.42	Rating **	M	Issue No.	6
LM End	4.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.168848 °	39.168848 °
				-121.728130 °	-121.728130 °
DWR ID	DWR_ST0010_02_s _ 2012_6				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_43\_6\_20150310\_00004.jpg



View of the erosion along the waterside toe.

LM Start	4.48	Rating **	A/W	Issue No.	7
LM End	4.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.169670 °	39.169670 °
				-121.727787 °	-121.727787 °
DWR ID	DWR_ST0010_02_s _ 2012_7				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP\_2015\_ST0010\_43\_7\_20150310\_00005.jpg



View of the erosion along the W/S toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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